

2002-03 RECTOR'S REPORT

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FULFILLING OUR PROMISE

By the time you receive this 2002-03 Rector's Report, the teaching and research activities in our new Richard J. Renaud Science Complex on the Loyola Campus will be in full operation. We are proud to offer our students, faculty and staff the latest in modern facilities. The Science Complex is a major achievement not only for our Faculty of Arts and Science, but also for the entire university. We are fulfilling our promise to reinforce the sciences at Concordia and improve our research profile. We have also completed the first of several major projects to revitalize our Loyola Campus, which include new recreation and athletic facilities and major renovations to existing buildings.

There is much more to come.

The massive project underway on our Sir George Williams Campus for Engineering and Computer Science and Fine Arts is taking shape. The building structure is now rising into the Montreal skyline. When completed in January 2005, the new home for our two Faculties will soar 17 floors (or 76 meters) above the downtown core and offer the best a modern university can offer in terms of classroom, lab and studio space. As for the last piece of our current \$350-million building drive, a new home for the John Molson School of Business, detailed planning has been done and excavation will begin shortly at the corner of Guy and de Maisonneuve. This JMSB building is scheduled to open in 2006.

But the university experience is more than new buildings and modern facilities. The university is about people.

Our university is truly experiencing a renaissance. We have the highest enrolment in our history, over 30,000, with 24,950 students in undergraduate programs, 5,085 graduate students, over 1,000 registered in our newly created e-Concordia division and 7,300 students enrolled in our Continuing Education programs. This is a record for Concordia; one that that we will likely top next year as application rates continue to rise. In fact, we lead the province in consistent enrolment increases. Although we have maintained our commitment to accessibility, the academic profile of our incoming students also continues to rise.

Students are flocking to Concordia for our excellent programs, our welcoming atmosphere and our diverse, multicultural environment. If you want to live and work in a world where national boundaries are shrinking, it is an advantage to study at Concordia. The Concordia experience has also attracted new faculty members. This year alone, we hired 51 enthusiastic young professors. Their dynamism is being felt in new areas of

research, increased success in our grant applications and in our teaching. In the last two years alone, our research revenue has grown by over 20 per cent. Concordia is the place to be for innovative, dynamic teaching and research.

This is an exciting time to be at Concordia and 2002-03 was a pivotal year in our development. There is much to be optimistic about. The economy of our city, our province and the country is thriving and we are working closely with the major economic sectors to assure that the education that young people receive at Concordia is not only excellent but also relevant — what potential employers are looking for in recruits.

We have a university where students, faculty and staff can realize their potential as individuals and, with the support of our Board of Governors and our alumni, the institution as a whole is fulfilling the promise of becoming one of Canada's most vibrant universities.

Frederick Lowy
Frederick Lowy
Rector and Vice-Chancellor



Concordia
UNIVERSITY

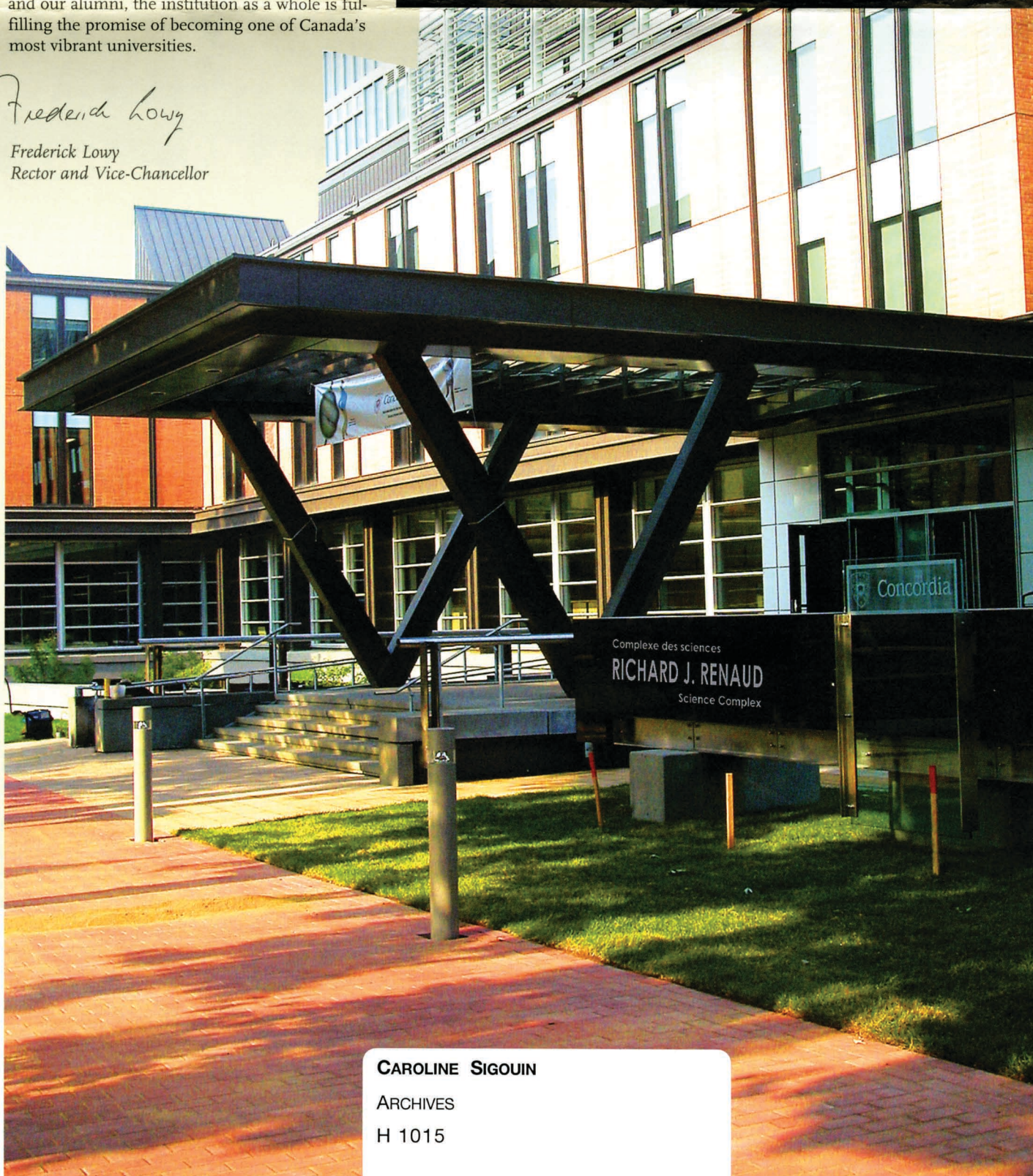
Real education for the real world

www.concordia.ca

CAROLINE SIGOUIN

ARCHIVES

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In 1999-00, at the end of the five-year period of government-mandated cuts to Quebec universities, Concordia had 675 full-time professors, of whom 580 were tenured or tenure-track faculty. In the last academic year, 2002-03, the portrait has changed considerably: we had 813 full-time faculty (slightly short of our projected goal of 825), of whom 696 are tenured or tenure-track faculty members. As of this fall, we have 835.

AT THE FOREFRONT OF CHANGE

Change is the only constant in today's academic environment, and Concordia is not only keeping pace with the times, it is fast emerging as a leader, taking initiative to meet the academic needs of the twenty-first century head-on. The university's research profile is once again on the rise, and the composition of its faculty members is undergoing a drastic transformation.

Over the past five years, the university has hired over 200 full-time professors, and is currently in the midst of constructing or renovating six buildings on its two campuses, making it the fastest growing university in the province. The conduits and corridors that lace through these new

ing Faculty. As Dean Martin Singer enters the second year of his second five-year term, the Faculty has concluded another successful year marked by research growth and increased enrolment.

Undoubtedly, the biggest news for the Faculty this year is the opening of the new Richard J. Renaud Science Complex, a project five years in the making. The new building is state-of-the-art in every regard, and houses roughly 425 faculty members, research staff, and graduate students from the Departments of Biology, Chemistry and Biochemistry, Exercise Science, Physics and a major component of Psychology, as well as the Science College, the Centre for Structural and Functional Genomics, the Centre for Studies in Behavioural Neurobiology and several smaller research centres and support facilities. It will bring 2,000 additional students to Loyola each day.

The Faculty of Arts and Sciences capitalized on the retirement of 15 professors this spring to rebuild and expand its professorial ranks. The Faculty completed its largest hiring round ever, bringing another 30 tenure-track professors on board

dent of the Canada Foundation for Innovation, one of the earliest donors to the integrated complex, said that the new building embodies the goal of the Foundation to promote science and scholarship across Canada. It will open in January 2005.

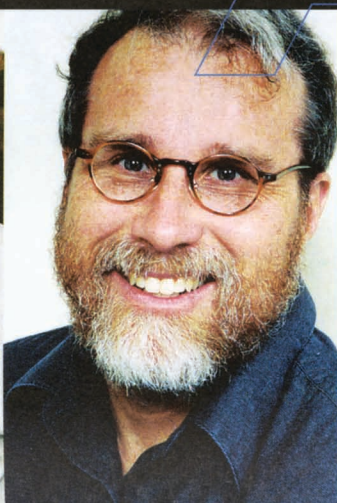
This year also saw the opening of the Concordia Institute for Information Systems Engineering, an interdisciplinary research and development institute, which will offer graduate programs. Under the directorship of Rachida Dssouli, this new academic department houses state-of-the-art research in innovative applications of information systems spanning a wide range of areas including telecommunications, software development, electronics, aerospace and building construction. The institute will attract primarily Masters and PhD students and will establish strong collaborative ties with both local industry and international researchers.

The Faculty's research profile continues to flourish. In the February competition for NSERC Discovery grants, newly-appointed faculty members in Engineering and Computer Science were awarded annual grants totaling more than

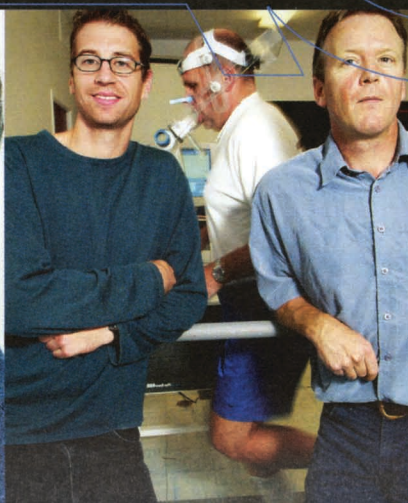
A C A D E M I C



Nadia Bhuiyan (left) and Paula Wood-Adams



Concordia Fine Arts professor Chris Hinton.



Exercise Science professor Robert Boushel (right) and his colleague Gerald Zavorsky.



Michael Kenneally was awarded the inaugural chair in Canadian Irish Studies.

buildings will also streamline the flow of ideas, the lifeblood of any university.

Concordia's \$350-million construction projects address record enrolment levels at the university and the need for modern facilities, consolidating activities in 10 buildings downtown and 14 at Loyola, instead of the current 72.

The university has already taken the first step with the completion of the state-of-the-art Richard J. Renaud Science Complex at the Loyola Campus. Rising five stories above ground with two subterranean levels, the \$85-million complex is among the largest new science buildings in North America. It promises to usher in a new era of teaching, education and research in sciences at Concordia.

Construction on the \$165-million downtown complex, which will run along Ste. Catherine between Guy and Mackay Streets, is well underway. The cutting-edge building has been designed with environmental sustainability in mind, and is expected to consume 40 per cent less energy than the standard Canadian building. Mayor Gérald Tremblay stated that the architecturally striking buildings promise to be a source of cultural dynamism that will help distinguish Montreal as an outstanding city for higher education.

The Integrated Engineering, Computer Science and Visual Arts Complex, expected to be completed in September 2005 at an estimated cost of \$165 million, will be the centerpiece of a redefined downtown environment, dubbed Quartier Concordia. Along with the existing Concordia buildings, the downtown Sir George Williams Campus will also include an advanced new building at Guy St. and de Maisonneuve Blvd., home for the John Molson School of Business. It will reflect its place as one of Canada's leading business schools. The new building will provide up-to-date facilities to meet the needs of today's modern marketplace.

FACULTY OF ARTS AND SCIENCE

It has been an amazing year for Concordia's fastest-grow-

this year, raising to 156 the total number of faculty members who have been hired since 1997.

It has been another banner year for research. The Faculty's professors continue to attract impressive numbers of research grants; another 46 received grants this past year from NSERC and SSHRC. The Faculty also hailed its second professor to be awarded a Canada Research Chair, Adrian Iovita from the Department of Mathematics and Statistics, and awarded Concordia University Research Chairs to two of its most accomplished young researchers, Dmitry Korotkin, a professor in the Department of Mathematics and Statistics and Robert Boushel, a Professor in the Department of Exercise Science.

The curriculum continues to be redesigned and modernized in an effort to provide students with the most relevant education. Plans are in place to introduce for next year a new minor in Spanish Translation, which is part of a major refurbishing of the Spanish programs at Concordia in an effort to emphasize Hispanic culture and expression. Spanish is one of the university's fastest-growing programs.

ENGINEERING & COMPUTER SCIENCE

A fine balance between research and teaching has always been the hallmark of the Faculty of Engineering and Computer Science. Under the continued leadership of Dean Nabil Esmail, the Faculty continues to advance on both fronts.

New professors have been hired to deal with increased enrolment, simultaneously improving the quality of instruction while expanding the Faculty's research abilities. The Faculty's increased success in securing grants has created a need for more space for cutting-edge research equipment.

These needs are the driving force behind the new Integrated Engineering, Computer Science and Visual Arts building, a synthesis of technology and culture. Groundbreaking ceremonies were held at the close of the last academic year, and construction is well underway. Dr. David Strangway, presi-

half a million dollars. Adding to this success, the number of graduate students has been soaring in the last five years. There are currently 1,075 students pursuing a Master's degree, compared to 517 in 1997-1998, and 284 students in PhD programs, compared to 179 in 1997-1998.

FINE ARTS

Dean Christopher Jackson's second five-year term has been extended by one year until May 31, 2005. The Faculty is branching out and is in the process of adding new departments and programs to their already highly regarded curriculum. The Faculty will soon expand their graduate studies programs. An MFA in New Media, which will run jointly between the departments of Studio Arts and Design Arts, and an MFA in Performing Arts are both in development.

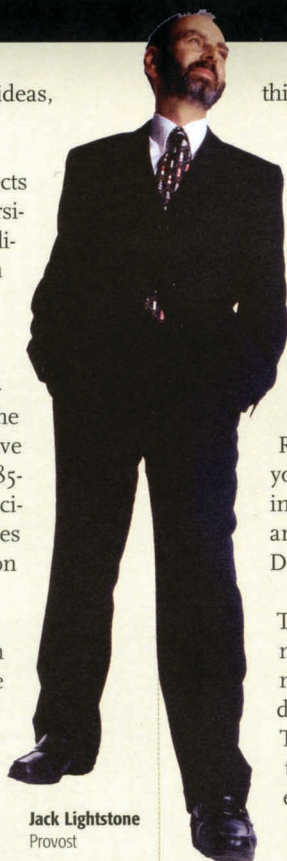
Research is growing within the Faculty as well, with 52 members of the Faculty receiving grants or awards from over 25 funding and cultural agencies.

The Faculty has announced plans to open the Centre for Research on the Senses in Art, Culture and Technology, headed by Erin Manning, who was nominated for a Canada Research Chair in Film Studies. The team will begin work in January 2004, and aims to experiment and investigate the senses in art and our complex relationships with technology.

The Centre for Arts in Human Development, run by Creative Arts Therapies faculty researchers Stephen Snow and Denise Tanguay in conjunction with faculty from the Department of Education, continues to receive new funding. The Birks Foundation awarded the Centre seven years of funding for \$250,000 total.

JOHN MOLSON SCHOOL OF BUSINESS

The John Molson School of Business is getting well-deserved recognition. After gracing the pages of The Wall Street Journal's Guide to the Top Business Schools 2003, the John Molson MBA Program was ranked fifth in Canada in the March 2003 edition of the National Post Magazine, followed by second-place overall in the 2003 Corporate Knights school survey in June. Under the ongoing leadership of Dean Jerry Tomberlin, the school continues to forge ahead, enhancing its programs and technologies to prepare tomorrow's business leaders with the skills they need to stay competitive.



Jack Lightstone
Provost

JMSB's best ambassadors — its students — have put the business school on the map as they continue to excel at both the national and international level. Students in its Goodman Institute of Investment Management program have achieved an impressive 88% pass rate in the Level I Chartered Financial Analyst (CFA) exams, more than double the international average pass rate of 42% and an outstanding 92% pass rate for the level II exams — compared to the world-wide pass rate of 47%. This is no small feat as over 32,000 people wrote Level I and 22,000 people wrote level II simultaneously in 70 countries around the world. Undergraduate students took home the top honours at The Marketing Happening, Bombardier Case Competition, three gold medals at the Commerce Games and won overall silver at the Undergraduate Business Games.

Concordia University Research Chairs were awarded to Dr. Gary Johns and Dr. Steven Appelbaum from the Management Department. In the last three years, high-profile individuals and corporations have expressed their confidence in JMSB by funding four new research chairs: Ned

LIBRARIES

A monumental move took place between Sir George William's Webster and Loyola's Vanier libraries. A reciprocal exchange of approximately 200,000 volumes of material was undertaken to support the relocation to the new Science Complex at Loyola. As participating members of the Canadian National Site Licensing Project, the Library acquired online access to approximately 1,200 full-text journals provided by Elsevier ScienceDirect — a major addition to the existing suite of electronic resources.

In addition, a welcome infusion of \$2 million was received from the Ministère de l'éducation du Québec, which was used to purchase new material.

CONTINUING EDUCATION

The Centre for Continuing Education has become Montreal's premier destination for not-for-credit courses, for "lifelong learners" who wish to improve their skills and minds. Courses are aimed at upgrading professional skills in areas such as information technology, business, com-

munications and tourism, and attract both local and international students. Cont Ed also specializes in instruction of English as a second language, which has grown exponentially in recent years. At present, the Centre serves 7,303 students a year.

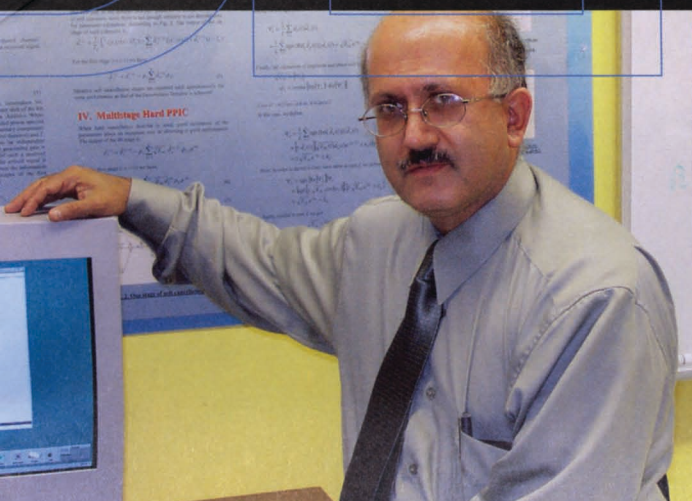
ECONCORDIA

Now in its second year, eConcordia, an online educational venture by the Concordia University Foundation, experienced an astounding 91% increase in enrolment over its first year. It currently offers four for-credit courses: Computer Applications, Discover Statistics, Problem Solving and Academic Strategies, and Personal Finance. The venture also offers two not-for-credit courses. A new course begins in the fall titled Organized Crime.

INSTITUTE FOR CO-OPERATIVE EDUCATION

Co-operative programs at Concordia, which give students hands-on experience in their fields of academic study, have grown over 20 years from three programs in one Faculty to 22 programs in all four Faculties.

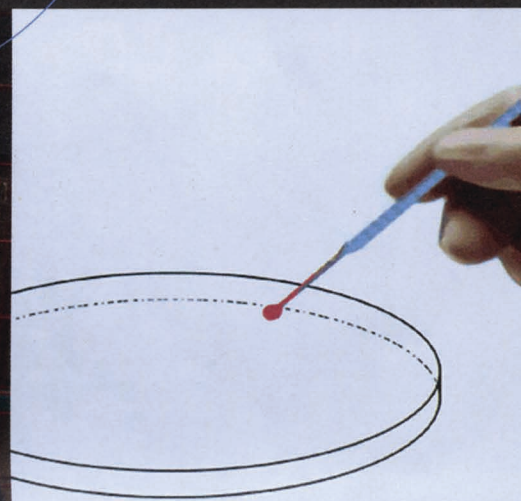
INITIATIVES



Electrical and Computer Engineering professor Reza Soleymani.



Staff from the Centre for Mature Students: making the adjustment easier.



Biotechnica: the brainchild of Shawn Bailey and Jennifer Willet from Fine Arts.

Goodman in Investment Finance, Lawrence Bloomberg in Accountancy, the CIBC in Family Business and the Royal Bank in Marketing.

JMSB's International Aviation MBA (IAMBA) Program, recognized as the premiere graduate-level aviation management program in the world, hosted the 2nd annual Aviation Management Education and Research Conference (AMERC). It also recently signed a five-year agreement with the International Civil Aviation Organization (ICAO) for the joint development and delivery of a management of aviation security distance education program that was made possible through the financial support of *Valorisation-Recherche Québec*.

Its newly launched Formula Growth Investment and Trading Centre replicates a real-world investment house, complete with access to up-to-the-minute financial data and research reports and thanks to the combination of a \$220,000 grant from the Quebec Ministry of Education and from IT funds from the Ministry, a high-tech computer lab was constructed to support JMSB's new Graduate Certificate and Undergraduate Minor in e-Business.

SCHOOL OF GRADUATE STUDIES

Developing a new generation of academics is the principal raison d'être of the School of Graduate Studies. The University is making its contribution to meet Canada's need for 30,000 new university professors over the next decade. Elizabeth Saccà, in her first year as Dean of Graduate Studies, has committed to increasing the fellowships available to our graduate students and to exploring new academic programs that will foster interdisciplinarity and research.

In recent years, there have been a number of new and challenging graduate programs established at Concordia University, including Graduate Certificates in Digital Technologies in Design Art Practice, e-Business, and Economic Community Development; and Masters-level programs in Creative Arts Therapies, including Music Therapy, and Littératures Francophones et résonances médiatiques. These new programs, along with the renewal of our faculty and the marked increase in the number of excellent graduate students, contribute to a sense of excitement about the future of graduate studies at Concordia.

SPOTLIGHT ON SOME OF OUR FACULTY

Professor Robert Parker feted for 26 years in art education

Robert Parker, Art Education professor and a former dean of the Faculty of Fine Arts, was celebrated last May on the occasion of his retirement. Among the gifts presented was a Dürer print titled *Knight, Death and the Devil*.

Three patents

Electrical and Computer Engineering professor Reza Soleymani has been awarded three patents in Canada and the U.S. for advanced techniques he developed for processing information via satellite that make multimedia transmissions more efficient and cost-effective. The technology was developed in 1997 by Soleymani and a team of researchers at Spar Aerospace (now EMS Technologies).

Iovita awarded Canada Research Chair

The Canada Research Chair in Number Theory was awarded to Adrian Iovita, bringing the number of Canada Research Chairs to two. Iovita, who joined Concordia's Department of Mathematics and Statistics from the University of Washington, is an expert in mathematical number theory.

A penny for his thoughts

Economics professor James McIntosh, along with the country's leading economic thinkers, was invited to Parliament Hill in November to share his views on bank mergers and their effects on the public with the Canadian Senate's Standing Committee on Banking, Trade and Commerce.

His Irish eyes are smiling

Michael Kenneally, one of Canada's leading Irish studies scholars, was awarded the inaugural chair in Canadian Irish Studies and the directorship of the Centre for Canadian Irish Studies. Kenneally, who is also the editor the Canadian Journal of Irish Studies, has been teaching courses on the subject for 20 years. Recently, he was named Honorary Consul of Ireland in Montreal.

Nadia Bhuiyan rewarded for wheelchair design

Nadia Bhuiyan, an assistant professor in Mechanical and Industrial Engineering, won the grand prize in the 2003 Innovation-Research Contest, sponsored by the *Association de l'industrie des technologies de la santé*. Bhuiyan, along with McGill University doctoral student Linghua Kong, received the award for her project, Design of a Cost-Effective Electrical Motor Wheelchair, at the Genesis Awards Gala in April.

Animator wins awards

Concordia professor Chris Hinton had his Oscar-nominated animated short *Flux* shown at 15 film festivals, scooping a number of awards the world over. Even more important to Hinton, though, is the fact that the film was shown at the four major world animation festivals in France, Croatia, Japan and Canada and netted a total of six prizes, including a special jury prize in Hiroshima.

Harty named Episcopal vicar

Theology professor Rev. Sean Harty received heartening news when Cardinal Jean-Claude Turcotte named him Episcopal vicar for the English-speaking community of the Montreal Roman Catholic archdiocese last December. Though his new appointment is a full-time job, Father Harty will continue to teach at least one course per semester, as well as assisting the priest at his local parish in Beaconsfield.

Two research chairs for JMSB

Gary Johns, a 28-year veteran of research on the subject of absenteeism in the workplace, was named Research Chair in Management at the John Molson School of Business. Johns sees the need for even more emphasis on so-called soft skills in business today, including motivation, decision making and how people react in groups. His colleague, Steven Appelbaum, was appointed to the Concordia University Research Chair in Organizational Development, a subject of which he is an internationally recognized expert.

In 2000-01, 48% of our faculty participated in externally funded research. Intending to build research capacity by means of faculty renewal, we hope that by 2009-2010, 75% of our faculty will participate in externally-funded research. Interim objectives were 58% in 2002-03, and 61% in 2003-04. In fact, in 2001-02, we achieved a participation rate of 63%, exceeding our goal for 2003-04.

VO-VAN NAMED VICE-PROVOST

Dr. Truong Vo-Van was appointed Concordia's first Vice-Provost Research. Vo-Van will be the chief research officer for Concordia, reporting to Provost Jack Lightstone and furthering the academic plans and priorities of the Faculties and School of Graduate Studies with respect to research. A physicist by training with an extensive research portfolio, he is also a seasoned academic administrator having recently held the position

SELF-REPAIRING SPACECRAFT

Future generations of satellites and interplanetary space probes could be equipped with technology developed by four Concordia professors. The project, which is focused on developing technology to allow spacecraft to diagnose and recover from on-board problems, is being funded by an \$830,000 strategic grant from NSERC and \$104,000 from the Canadian Space Agency. The work is part of a multi-university multi-disciplinary project headed by the Department of Electrical and Computer Engineering's Professor Khashayar Khorasani, and also involves three of his fellow faculty members: Assistant Professors Purnendu Sinha and Shahin Hashtrudi Zad, and Associate Professor Ferhhat Khendek.

ABSENTEEISM IN THE WORKPLACE

Gary Johns, Professor of Management and the recently appointed Concordia University Research Chair in

CONSUMERS MOULD GLOBALIZATION

Globalization is an ever-present consumer-driven phenomenon, from Egyptian belly-dancing here in Canada to Canadian-designed mobile phones in Egypt, according to anthropology professor David Howes, head of the Cross-Cultural Consumption research project. The project has enabled 12 Concordia graduate students to conduct field research in such countries as Egypt, Cuba, India and Iran, and is united by the common idea that consumers are not passive victims of the globalization movement, but rather are a driving force whose collective decisions alter the shape and flow of globalization.

MCKAY WINS MATH PRIZE

Mathematician John McKay, Fellow of the Royal Society of Canada, was a joint winner of the CRM-Fields Prize for Mathematics, 2002-2003. The prize, awarded annually by the Centre de Recherches Mathématiques in Montreal and the

RESEARCH



Dr. Truong Vo-Van is Concordia's first Vice-Provost, Research.



Associate Dean of Fine Arts Liselyn Adams and music department chair Mark Corwin.



V.S. Hoa, a professor in Mechanical and Industrial Engineering.



JMSB Professor of Management Gary Johns.



Biology professor Sylvia Ruby.

of Vice-President, Academic and Research, at the Université de Moncton.

RESEARCH CHAIR AWARDED

Catherine Mulligan was awarded the Concordia Research Chair in Environmental Engineering last year. Mulligan is currently researching waste management, specifically in water systems; water quality management, both in ground and surface water; contaminate site remediation and rehabilitation; and air quality management and control. She will use her position to encourage technological development for the treatment of air, water, waste and soil contaminants, and to research processes for transportation and degradation of chemicals in the environment.

PUTTING MUSIC TO WORDS

Associate Dean of Fine Arts Liselyn Adams and chair of the Music Department Mark Corwin are using words to inspire music from their students. The five-year project, a collaboration between McGill and Concordia, is funded by the Fonds Québécois de recherche sur la société et culture. It is a new incarnation of an experimental method used by musicians and visual artists in the '50s and '60s, according to Corwin. Musicians are given a short phrase and are encouraged to find inspiration in the words and transform their inspiration into sound and music.

FROM INNOVATION TO INDUSTRY

V.S. Hoa, a professor in Mechanical and Industrial Engineering, was awarded \$141,667 for a research project on the design and manufacture of low-cost composites, in collaboration with Bombardier and Bell Helicopter, for three years. Hoa has a long and distinguished history with Concordia and has recently begun to look for practical and patentable applications for his research.

WEED KILLER MAY HARM OTHER THINGS, TOO

A study by Biology Professor Sylvia Ruby may hold a key to the question of declining amphibian populations. Focusing specifically on reproductive organ abnormalities in local frogs, Ruby's research suggests that the popular weed killer atrazine may be responsible. These findings earned Ruby mention in several popular publications, including an article in *Canadian Geographic* magazine, as well as an appearance at an American Environmental Protection Agency meeting.

Management at the John Molson School of Business was awarded two three-year grants totaling \$170,322 from SSHRC. The 28-year veteran of research on the subject of absenteeism in the workplace will put his expertise to work studying absenteeism and how it relates to health, stress, gender and popular representation of the phenomenon. His second grant, shared with V.V. Baba of McMaster University and JMSB colleague Muhammad Jamal, will study occupational mental health.

THE EFFECTS OF EXERCISE

The Exercise Science Department received a much-needed burst of financial support in the form of a joint grant from CFI and the Quebec government early last academic year. Robert Boushel and his colleague Gerald Zavorsky will use the combined grant, worth \$948,861, to purchase equipment to study the regulation of blood flow and oxygen transport during exercise, and vascular remodeling with training. The new equipment, which includes a Doppler ultrasound that allows researchers to look at blood flow throughout the body, will be instrumental in training other students.

MISCONCEPTIONS ABOUT MUSLIMS

Roksana Bahramitash hopes to shatter a few misconceptions about women in Islamic countries, thanks to a \$10,000 SSHRC grant. Being from Iran, the post-doctoral research fellow at the Simone de Beauvoir Institute knows first-hand that life in a Muslim country doesn't necessarily equal oppression, as many Westerners think. Basing her research on her own experiences and on fieldwork she did in Turkey and Egypt last December, Bahramitash will investigate the education rates and employment opportunities for women in these countries. Once finished, she will turn her focus on Muslim women's employment in Quebec.

Christine Dewolf
Assistant Professor
Chemistry & Biochemistry



Fields Institute in Toronto, recognizes exceptional contributions by a mathematician working in Canada.

Unusually this year, they awarded a joint prize. Professor McKay's research revolves around the properties of finite groups, their representations and their symmetries.

HISTORY MADE DIGITAL

Nine thousand hours of daily BBC World News radio broadcasts have been preserved by the Concordia Centre for Broadcasting Studies. The recordings, spanning the period from 1969 to 1986, were harvested from the late Professor Denis Diniacopoulos's audiotape collection and digitally dubbed and encoded on several thousand CD-ROM discs. The process of indexing and archiving took a year and was supervised by Professor Howard Fink, the Centre's head of archives.

THE NEW INFORMATION-DRIVEN ECONOMY IN THE REAL WORLD

Two Concordia professors were awarded a total of \$4.4 million research grants by SSHRC as a part of the Initiative on the New Economy. Sociology and Anthropology Professor William Reimer will use his \$3 million portion to study how rural communities have been affected by the new information-driven economy. Gregory E. Kersten, Decision Sciences and Management Information Systems Professor, was awarded \$1.4 million over four years to study electronic negotiation in an age of email and videoconferencing. Federal industry minister Alan Rock awarded the grants in November.

VOLATILE STOCKS

Lawrence Kryzanowski, a professor in the Department of Finance as well as the Ned Goodman Chair in Investment Finance, was awarded a three-year grant totaling \$84,250 by

the *Institut de finance mathématique de Montréal*. He will use the grant to study stock market volatility and the effects of information disclosure on stock market prices, and plans to apply the grant towards supporting data acquisition, providing graduate support, particularly at the doctoral level, and disseminating the research findings to both the academic and practitioner communities.

Stéphane Brutus
Associate Professor
Management

to determine if there are correlations between being withdrawn or overly aggressive as a child and mental disorders or criminal behaviour later in life.

THE DANGER OF SLOSH

Subhash Rakheja, Professor in Mechanical and Industrial Engineering, was awarded a \$147,700 grant to develop, produce and evaluate a prototype tank for oil and gas trucks that would reduce the risk of overturning on the highway. Current designs are vulnerable

to "sloshing," fluid movements that occur during braking or turning manoeuvres. Rakheja's research will focus on constructing differently shaped tanks and exploring different partitioning schemes to arrive at a design that strikes a balance between capacity and safety. The grant was awarded by the *Fonds québécois de recherche sur la nature et les technologies*, in partnership with the *Ministère des Transports de Québec* and the *Société de l'assurance automobile de Québec*.

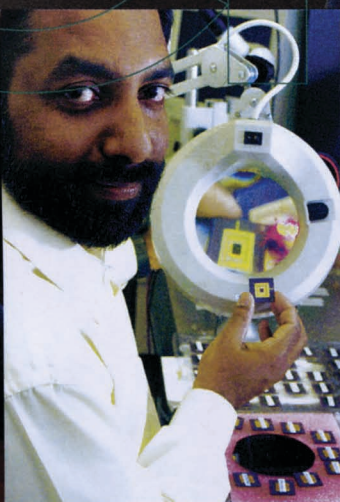
ELECTRONIC NEGOTIATIONS

Dr. Gregory Kersten, Decision Sciences and Management Information Systems, was awarded a \$1.4 million grant from the Social Sciences and Humanities Research Council of Canada (SSHRC) to study electronic negotiations.

INITIATIVES



Roksana Bahramitash, post-doctoral research fellow at the Simone de Beauvoir Institute.



Mutukumaran Packirisamy, assistant professor of mechanical and industrial engineering.



Engineering Professor Catherine Mulligan.



Staff Appeal campaign indoor flower garden in the J.W. McConnell atrium.



Department of Electrical and Computer Engineering's Professor Khashayar Khorasani (front, centre), and from left, Assistant Professors Purnendu Sinha, Shahin Hashtrudi Zad, and Associate Professor Ferhat Khendek.

BUSINESS AS ART

Two faculty members from Fine Arts launched a *faux* biotech company at the prestigious European Media Arts Festival last spring. From a distance, Bioteknica appears to be a genuine corporation, complete with web site, T-shirts and other corporate paraphernalia. But the brainchild of Assistant Professor Shawn Bailey and part-time lecturer Jennifer Willet is anything but real. The true purpose behind the company is to shock and provoke discussion with its frank descriptions of questionably moral corporate goals such as cloning and complete control over the human genome. The project will run for five years.

SILICON MEMS

Concordia may soon be a major player in the world of micro-electro-mechanical systems, or MEMS, thanks to a \$1 million grant. The money was awarded to Mutukumaran Packirisamy, an assistant professor of mechanical and industrial engineering, by the CFI and will allow him to set up the Concordia Silicon Microsystems Fabrication Facility, or ConSIM, which will focus on silicon-based MEMS. Packirisamy plans to purchase state-of-the-art microfabrication equipment, which will hopefully attract more students into this growing field of study.

A LACK OF SYMMETRY

Sourav Ray, Professor of Marketing, will spend the next three years answering a question that often plagues budget-conscious consumers: Why are prices so quick to rise and so slow to come down? The practice, known as asymmetric pricing, is all-too-common in the business world, but there is a lack of theory to explain it. Ray will lead a three-year study funded by a SSHRC grant of \$865,750 along with researchers at the University of Alberta, the University of Toronto, Dalhousie University, the University of British Columbia and the Eindhoven University of Technology, Netherlands.

TAKING THE LONG VIEW

To most psychology researchers, long-term research usually connotes five years, maybe 10. To Psychology Professor Alex Schwartzman, who is heading what is believed to be the longest-running research project in Canada, the idea of long-term research means something else altogether. His ambitious study involves researchers from the University of Ottawa and l'Université de Montréal, and has spanned a 25-year period and two generations of participants. The study, which is only one of a handful in the world to take on a second generation of participants, has followed three groups of children from 1977

SPOTLIGHT ON SOME OF OUR STAFF

Staff Appeal

Under the leadership of Vice-Rector Marcel Danis, Concordia staff, faculty and Board members pitched in to contribute over \$361,000 for the university in this year's annual campaign. The Staff Appeal, which was held this spring, wrapped up on a high note with a Garden Tea Party event, which saw an indoor flower garden built by Facilities Management staff, temporarily installed in the J.W. McConnell atrium. Well over 100 community members came to celebrate the successes of the campaign and the unveiling of the beautiful blooms.

Fond farewell to Fortier, Freedman, Kirby, Regimbald, Spilhaus and Weller

After 11 years of service, Bram Freedman, Assistant Secretary-General and General Counsel, left Concordia last January to pursue a position with the Federation of Combined Jewish Appeal as Director of Administration and Strategic Initiatives. Claudette Fortier, assistant director of Advocacy and Support Services, left this summer to take up the post of director of student affairs at the École Polytechnique. Ann Kerby's career spanned more than 37 years. She was the tireless director of the university's wide-ranging Advocacy and Support Services, which provides an invaluable safety net for student. Sally Spilhaus, Advisor to the Rector on Rights and Responsibilities, brought her 12 years of full-time service developing advocacy and student support work to a close last fall due to health reasons. Peter Côté was named Interim Advisor on Rights and Responsibilities. Pete Regimbald, retired from his full-time job as assistant registrar at the university after more than 30 years, but will remain as the long-serving assistant football coach. Frances Weller (IITS) recently retired after a 35-year career at Concordia. She was part of a revolution in telephone technology at Concordia.

Welcome to Birks, Lucas, Theriault

Me Suzanne Birks was named Legal Counsel in the University Secretariat. Me Birks has been a professor of law at McGill University, the president and director-general of the Canadian Human Rights Foundation as well a lawyer in private practice. Pierrette Lucas has joined the university as Assistant to the Rector, Protocol & Events. Pierrette brings to Concordia exten-

sive experience in the private and public sectors. Michèle Thériault was appointed director of Concordia's Leonard & Bina Ellen Art Gallery for a five-year term. Michèle Thériault comes to Concordia with a wealth of museological, organizational and curatorial experience. Lynn Beavis has served as gallery interim director since 2001.

Staff merit awards

Merit Awards were presented to Arlene Zimmerman, secretary in CONCAVE; to Laurel Smith, student life advisor in Fine Arts, for her help with the Art Matters festival and other initiatives to promote students' work; and the administrative staff of the International Students Office, Claudette Fortier, Pat Hardt, Jenny Calder and Claire Beaudreault.

Web, branding and publication winners

Concordia's dynamic promotional campaign and institutional web site were recognized at this year's Canadian Council for the Advancement of Education (CCA) *Prix d'excellence* competition. Marketing Communications won gold in the "Best Institutional Branding Program" category and the Web Communications group in Internal Relations & Communications took gold for "Best Institutional Home Page on the World Wide Web." Marketing Communications, working with the Recruitment Office, also won a Silver Medal in the "Best Flyer" category for the Concordia international recruitment flyer. *Panorama*, the monthly newsletter of the Faculty of Arts and Science, won a Council for the Advancement and Support of Education (CASE - U.S. and Canada) District I honourable mention. Marketing Communications also got an honourable mention for its outdoor advertising campaign work.

VOIP phones and parental leave award

Concordia's Instructional and Information Technology Services (IITS) instituted a major cost-saving Voice-Over telephone system (integrated voice and data networks). The University's Human Resources Department was awarded the 2002-2003 ISO by the *Conseil du statut de la femme du Québec* for the university's innovative improvements to its parental leave program.

Concordia's Full-Time Equivalency (FTE) rates have grown from approximately 16,200 in 1996-97 to more than 22,200 in 2002-03, without any diminution in our entrance requirements and standards. That rate of growth, roughly 37%, has occurred at both the graduate and undergraduate levels. We now have 32,230 registered students in our degree programs and another 7,300 enrolled in our Continuing Education operation.

BUILDING ON EXCELLENCE

Concordia students continue to thrive in an environment enriched by its diversity. Here is a sample of some of the high-achieving and creative minds at the university, and their remarkable work over the year.

PRIZE WINNERS

Sarah Steeves, a Fine Arts student with a concentration in Fibres, was one of three Canadian students who were

student entrepreneurs in the province. Draper, who holds a Bachelor's degree in chemical engineering, is marketing a corrosion-impeding product for steel that is also environmentally friendly.

Third-year Design Art student Nicholas Lauzon-Timm will have his artwork appearing in Air Canada's *enRoute* magazine, alongside an award-winning poem selected as part of CBC's Literary Awards. This prestigious national design award comes along with a substantial cash prize, as well as appearances on the CBC and Canada Council web sites and in public exhibits.

SCHOLARSHIP RECIPIENTS

Shannon Smith Houle, a student in Concordia's Graduate Diploma in Journalism, struck it big with an unusually large grant from Canadian Institutes of Health Research. The \$20,000 grant, which normally goes to science students for pure research, was awarded to Smith Houle, who

dents, they needed look no further than Concordia, home to all three of the Association's 2002 award recipients. Eowyn Crisfield and Iona Nicola each won a \$600 US grant to attend the association's annual conference, while Beverly Baker received a full tuition waiver, valued at \$1,600 US, to attend the inaugural Penn State Summer Institute in Philadelphia, Pa. and \$1,000 US to help cover her travel and living expenses.

Graduate students in the Department of Theological Studies launched a journal called *Word in the World*. The journal is the work of four graduate students, Russell C. Baker, Alzira Cooper, Sara Terreault and David Maurice. It includes a little academic humour and paid advertising from friends and well wishers. Copies may be bought from the Department for \$20.

Journalism student Susan Font decided to stray from the beaten path when it came time to choose the newspaper for

STUDENT



The team of civil engineering students in the Concrete Toboggan Race.



Stingers reached the league championship for the first time since 1998.



Theatre student Emily Shelton.

awarded a 2003 C.D. Howe Scholarship from the Royal Canadian Academy of Arts, worth \$5,000.

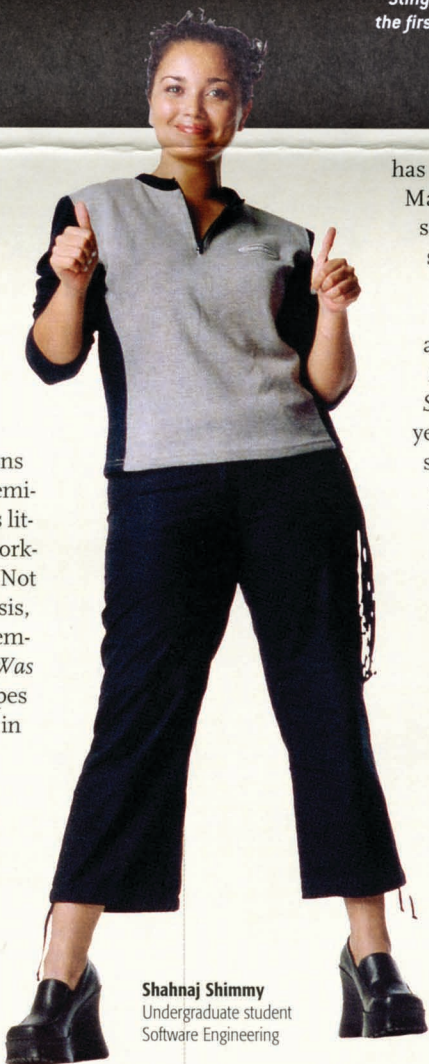
Fine Arts PhD graduate Cynthia Hammond was awarded the Governor-General's Gold Medal for the most outstanding graduating student. Her thesis, entitled *Wings, Gender and Architecture: Remembering Bath, England*, analyzes and critiques modern representations of the city's architectural heritage from a feminist perspective, and found that the city does little to represent 19th century women and working-class contributions to local architecture. Not content to simply tell the story in her thesis, Hammond went to Bath and organized a temporary outdoor exhibit called *A Woman Was Here*, and distributed handcrafted envelopes containing texts, images and objects created in memory of the forgotten women.

Honours German undergraduate Nathalie Lachance was awarded this year's Governor-General's Silver Medal, an annual award for the highest GPA attained by an undergraduate at the university. Lachance, who came to study German after marrying a man of German Mennonite descent, began studying the language out of curiosity. Lachance has since gone on to pursue an MA at McGill.

Two Engineering grads were recognized for their achievements at the spring convocation. Victor Aldea received the Phoivos Ziogas Medal for Electrical Engineering as well as the Chait Medal, while his classmate Shiyen Hu received the Computer Engineering Medal. Both students said that their undergraduate careers at Concordia were marked by "hard work."

Cristina Juristo has been awarded the Mary-Coppin Award from the *Ordre des Traducteurs, Terminologues et Interprètes agréés du Québec*. This prize is presented annually to the best graduating translation student in Quebec.

John Molson MBA student Russel Draper won the \$50,000 Pierre Péladeau Bursary recognizing promising



Shahnaj Shimmy
Undergraduate student
Software Engineering

has a Bachelor's in psychology and a Master's in psychology and neuroscience, to help her launch a career in science writing.

With a GPA of 4.0, Fine Arts graduate Laura MacDonald was awarded a *Fonds Québécois de la Recherche sur la Société et la Culture* grant of \$15,000 a year. The grant, which is given out to students who show great research potential, will be used to finance her Master's degree in art history at the University of British Columbia.

Bachelor of Commerce student Tommy Moorhouse won a \$2,280 scholarship from the National Aboriginal Achievement Foundation. Moorhouse is from Inukjuak, in northern Quebec, where he is the only person attending university. Once he completes his degree, he plans to return to Inukjuak to stimulate the economy and help locals realize their business plans.

Concordia awarded its first Dagobert Broh Research Stipend to Raine Perreault, a doctoral student in the Department of History, for her dissertation detailing the U.S. attitude towards China during the early part of the 20th century. The stipend, along with an annual \$12,000 graduate fellowship that will be awarded for the first time this year, are the result of a bequest left to Concordia by Dagobert Broh, an History graduate who completed his doctoral degree seven years ago, at the age of 91. Broh passed away four years ago.

Graduate student Matthew Buechler was one of two recipients of the Canadian National Aboriginal Scholarship this year, worth \$5,000. Buechler, 30, is in his second year of a Master of Art in Public Policy and Public Administration.

ARTS AND SCIENCE

When the American Association for Applied Linguistics sought to hand out awards to the field's top Master's stu-

her co-op stage. Unlike most students, who typically wind up at dailies, weeklies or broadcasting outlets close to home, Font lined up a six-month internship for herself at Cambodia's *Phnom Penh Post*. To enable her to do it, she was given a \$20,000 International Development Award from International Development and Research Canada. The award was the first of its kind.

ENGINEERING & COMPUTER SCIENCE

Automotive engineering students Rudy Chang, Peter Silvano and Frederick Guay put their skills and innovation to the test in an international competition to adapt a conventional vehicle to run on alternate fuel. Concordia's SAE Formula team performed well at the competition, coming in 45th out of 129 teams, and was also awarded first prize for having the "best-costed car." Their vehicle, which featured a linear sliding pillar suspension, was the talk of the competition.

A team of civil engineering students was awarded a \$2,000 prize for their entry in the Concrete Toboggan Race in January. In fact, the team's entry was so good, they didn't even need the toboggan to win. Adverse road conditions prevented the sled from making it to the race site in Edmonton, but judges were so impressed with the design that they awarded the team the Engineering Excellence Award, which is based on professionalism, innovation, presentation, application of technology in building the toboggan, and teamwork. The team then donated the money toward Concordia's annual Shuffle fundraiser.

Concordia's 15-person contingent at this year's Engineering Games returned victorious from Sherbrooke with a fourth-place overall, including second-place wins in machine and computer academic categories. The annual five-day event is a whirlwind of academic tests, physical competitions, cheering and socializing with engineering students from all over Quebec. Eleven other teams competed in this year's event.

FINE ARTS

Theatre major Emily Pearlman and Communications major Craig Desson were honoured with Student Merit awards from Concordia's Council for Student Life for their work as co-producers of the Art Matters festival. Art Matters is an annual art event, now in its fourth year, which provides an opportunity for experience and exposure to emerging Concordia artists through the provision of venues, publicity and funding.

Film student Anne-Emanuelle Romanelli is original, to say the least, and so is her film *Fork Keeps*. The animated movie, which chronicles the fledgling love life of a habitual fork-eater, was written, directed and produced by Romanelli and captivated audiences at film festivals across the country in 2002.

Concordia students represented 11 out of 22 recipients of the du Maurier Arts Council grant, a yearly bursary given to fine arts students to finance the public presentation of their modern art projects. The 22 awards are worth a total of \$175,000. Mia Donovan, Stacy Lawrence, Nadia Myre, Shannon Pawliw, Eva Richardson, Melanie Shatzky, Fiona Smith, Fanie St-Michel and Mackenzie P. Stroh were recipients in the visual arts category. Malene Charles and Sheila Pye won in the cinema, video and animation category.

Like many people her age, theatre student Emily Shelton is taking a year off school to travel. Unlike her peers, howev-

of *The Gazette*. The idea for the unusual venue was put forward by Robert Winters, a *Gazette* business editor who is also a fine arts student.

ATHLETIC ACHIEVEMENTS

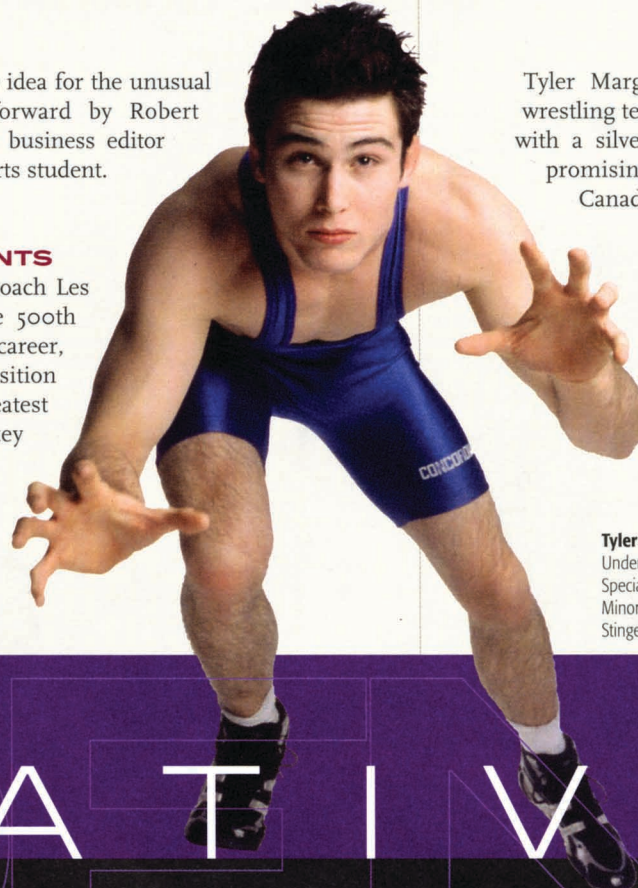
Women's hockey coach Les Lawton earned the 500th win of his 20-year career, cementing his position as one of the greatest university hockey coaches ever. He is the undisputed top of women's hockey, with his closest rival trailing behind with

Tyler Marghetis, a 19-year-old rookie with the wrestling team, capped off a superb freshman year with a silver medal in the 76 kg division. This promising young wrestler also received All-Canadian honors.

ATHLETES OF THE YEAR

Martine Dugrenier, a CIS All-Canadian and gold medalist at the university wrestling championship received Concordia's Female-Athlete-of-the-Year award for the second consecutive year. The Sports Administration graduate student, who was ranked second in

Tyler Marghetis
Undergraduate student
Specialization in Pure & Applied Mathematics
Minor in Philosophy
Stingers Wrestling



INITIATIVES



Women's Hockey Coach Les Lawton.



The John Molson MBA International Case Competition Organizing Team.



Shannon Smith Houle, a student in Concordia's Graduate Diploma in Journalism.



Student Geneva Guérin.

er, the 20-year old actress will be trotting the globe acting in Robert Lepage's *The Dragon's Trilogy*, a six-hour multi-lingual epic by the famous director that chronicles three generations of Japanese women. Shelton will play the Japanese-American role originally played by Marie Brassard, a natural for the student, who is Japanese-American herself.

JOHN MOLSON SCHOOL OF BUSINESS

Concordia's delegation took gold at the Bombardier Case Competition, hosted by the Plattsburg State University of New York. The team was among five other North America teams who took part in the competition, in which students are given 20 hours to prepare a multi-disciplinary case and present it to a panel of judges for consideration.

The school also cleaned up at the 2003 Commerce Games, taking home three gold medals in the categories of Strategy, MIS and Entrepreneurship, a silver in Finance, and a bronze in Marketing. Not content to leave it at that, JMSB took top honours at The Economist Business Challenge last September, beating out business school luminaries Harvard and Yale.

SUSTAINABILITY PROJECT

Concordia will get a clear image of its sustainability thanks largely to the efforts of students Geneva Guérin and Melissa Garcia Lamarca. The two students spearheaded a multifaceted and multi-pronged analysis of Concordia's sustainability, examining the social, economic, and environmental impacts and practices of the university. Building relationships was key, and the project involved over 100 students, faculty, and staff from across the campus spectrum. The project, which hopes to publish a report biennially, was responsible for a new course in geography and several for-credit projects by students in a range of disciplines.

ARTISTS ON CAMPUS AND AT THE GAZETTE

Concordia could soon become an enormous art gallery for student art, thanks to a proposal from the Faculty of Fine Arts. The program will network with other Faculties, research centers and on-campus locations and brighten up rooms with the artwork of students and graduates. Interested buyers will be able to purchase the art from the artists directly. Works by about 50 graduating students were on display for a week in June in an unusual venue: the lobby

only 300 career wins. Lawton, internationally known as the "dean of women's hockey," had his momentous achievement immortalized in the Hockey Hall of Fame. He was later invited to Italy for two weeks to assist the national women's hockey team.

The women's soccer team finished with a solid 7-4-3 record last season and advanced to the Quebec university finals with a 2-1 semi final victory over the McGill Martlets. Four members of the Concordia women's team received QSSF all-stars honors. Defenders Shannon Ransom and Jerusha Osborne were named to the first team, while goalkeeper Ingrid Dubuc and defender Valerie Desjardins were named to the second team.

Concordia Stinger forward Ammar Badawieh was named MVP of the QSSF men's soccer conference and led a strong contingent of Concordia all-stars from both the men and women's teams. Joining Badawieh on the men's first all-star team are defender Steven Craig and mid-fielder Medhi Mouri. Goalkeeper Steven McCauley and Daniel Takhee were named to the second all-star team. Captain Mehdi Mouri, a PhD student in Marketing, attained the highest academic standard among all of Concordia's athletes with 4.00 GPA.

It was a great season for fifth-year safety and football team captain David Aiken, who was named to the first Canadian Interuniversity Sport (CIS) All-Canadian team in Toronto. In eight regular season games, he had 29 solo tackles, five assisted tackles, 11 pass breakups and four interceptions. He was named to the Quebec Interuniversity Football Conference all-star team for the second consecutive year. Aiken was also a finalist for the Russ Jackson Award, presented annually to the football player who best combines athletics, academics and citizenship.

Coach Gerry McGrath led the Stingers football team to a 29-21 victory over the powerful Rouge et Or from Laval in the conference semifinal, reaching the league championship for the first time since 1998.

The Montreal Canadiens and Molson Inc. awarded Stinger defenceman Patrice Thériault the Guy Lafleur Award of Excellence. The \$6,000 scholarship is presented annually to a Quebec university hockey player who has best combined a level of excellence in hockey and academics and is given out over a three-year period.

North America and first in the CIS at the 70 kg weight class, went on to take second place at the CIS national wrestling championships.

Joining Dugrenier in receiving this year's Female-Athlete-of-the-Year award is Marie-Claude Allard, captain of the women's hockey team and a striker with the women's soccer team. Allard is a two-time CIS All-Canadian in hockey and an academic All-Canadian.

Concordia's Male-Athlete-of-the-Year is Chris Page of the men's hockey team. Averaging around a goal per game, he is the first Stinger since 1989 to score 25 goals in a season. Page was ranked second in his conference and seventh in the country, and signed a contract with the Missouri River Otters of the UHL.

NEW DIRECTOR

Katie Sheahan was appointed the new Director of Recreation and Athletics in early June. Over the course of the past 24 years, Katie Sheahan, a Concordia graduate (BA, Honours Sociology), has held a series of progressively important roles within Montreal-area YMCA organizations. Sheahan will oversee Campus Recreation which provides more than 50 intramural and recreational activities for students, staff and alumni and the public as well as Concordia's varsity sports program involving more than 300 elite athletes who proudly wear the maroon and gold in competitions with top Canadian and U.S. colleges. The Department of Recreation and Athletics has a \$1.5 million budget and over 40 employees.

HALL OF FAME

Another batch of talented athletes, all of whom made the grade playing hockey, was inducted into this year's Concordia's Sports Hall of Fame. Inducted were Corinne Corcoran, the best women's hockey player of her era, a three-time team MVP and two-time Female Athlete of the Year; Frank "Spike" Kelly, an all-star goaltender and team captain who led the Loyola men's hockey team to three consecutive Dominion championship titles; and Donald Morris, a high-scoring All-Canadian defenceman who finished his career as captain of the first Concordia men's hockey team.

Also inducted were the 1976 Concordia Men's Soccer Team, who won a CIAU championship, the first national title for Concordia University, and the 1965-66 Sir George Williams Men's Hockey Team, winners of the Ottawa-St. Lawrence Athletic Association title.

HIGHLIGHTS

OF A GROUNDBREAKING YEAR



The Leonard & Bina Ellen Art Gallery celebrated both its tenth anniversary last November and a \$2 million donation which will be used to ensure the gallery can continue its mandate to collect, research and exhibit Canadian art.



Food, fun and volleyball were the activities of choice at the Vice-Rector Services' "Back to the 80s Party" held at Loyola's Ed Meagher Arena last June.



Richard J. Renaud and his wife Caroline are long-time supporters of Concordia. Richard was honoured for his contribution with a building in his name.



New CSU President Natalie Pomerleau promises that inclusiveness and activities will play a big role in this year's student body.

FUTURE SEARCH THEN BACK TO THE 80S

Vice-Rector Services Michael Di Grappa and his office championed a Future Search conference in December with more than 70 participants from across the university and from community organizations to chart the future of Recreation and Athletics. In June, the Vice-Rector hosted a year-end Back to the 80s Party that filled the Ed Meagher Arena with hundreds of employees from the service sector.

BONDS BREAK RECORD

A record-setting \$200 million in bonds was launched in September, the largest by a university in Canadian history. The University's sound financial management earned it top marks with two separate investor and credit rating services. The bonds, sold to 23 purchasers, most of whom were pension plans, will mature at a rate of 6.55 per cent per year, paid semi-annually. The funds raised were used to finance Concordia's \$350 million building projects, and made Concordia the first Quebec university to pursue this growing trend in alternative academic financing.

NEW CONCORDIA STUDENT UNION (CSU) FOCUSED ON COMMUNITY, COMMUNICATION

After a tense year of internal politics, a new CSU has been elected and their agenda is clear: to create a renewed sense of community at Concordia. The Evolution, not Revolution slate was spurred to action by discontent with the previous CSU government, and promised students a change. If the votes were any indication, the students agreed with the new party's platform. Evolution won by a landslide, beating out the nearest competition more than two to one. The new student government will try to improve its public image and repair damaged ties with the administration, something they feel will enable the CSU to more effectively negotiate on behalf of students.

FIGHTING HUNGER, ONE BOWL AT A TIME

Students, faculty and technicians in the ceramics unit of the Department of Studio Arts pitched in to raise money for street kids just before the holiday break. For just \$12, customers could buy one-of-a-kind bowls filled with soup, and then take the bowl home as a reminder of

world hunger. The event raised \$1,600 for the charity Dans la Rue.

SCHOLARSHIPS SCORE A HOLE IN ONE

A record 274 golf enthusiasts gathered at Hemmingford last August for the 10th annual Concordia University Memorial Golf Tournament, held in beautiful weather. It was the largest crowd so far for the event, and raised \$12,000 for scholarships for the Concordia University Memorial Endowment Fund.

SHUFFLE AND CENTRAIDE

Despite the rain, several hundred Concordians turned out for this year's Shuffle. The traditional 7.5 km intercampus walk raised over \$35,000 toward student scholarships. Concordia staff and students also raised \$115,000 for Centraide.

\$2 MILLION FOR CANADIAN ART SHOWCASE

The Leonard & Bina Ellen Art Gallery celebrated its tenth anniversary last November and received welcome news and a helpful \$2 million. Half of the funds were raised by the Rector's Cabinet through the combined efforts of The Max & Iris Stern Museums Legacy, Abe and Harriet Gold, Avi Morrow and the Ellen Gallery's Board, and a matching donation by the Concordia University Foundation. The money will go a long way to ensuring the gallery can continue its mandate to collect, research and exhibit Canadian art.

HONORARY DOCTORATES

Concordia honoured 11 distinguished individuals at convocations in 2002 and 2003: Gilles Ouimet, chairman and former president and CEO of Pratt & Whitney Canada; Robert E. Brown, business executive; Eric Kandel, Nobel laureate in physiology and Professor of Medicine at Columbia University; Montreal-native Sidney Altman, Nobel laureate in chemistry and Sterling Professor of Biology at Yale University; Larry Swanson, professor of biological sciences, psychology and neurology at the University of Southern California, Los Angeles; John Tyler Bonner, biologist, author, and professor emeritus at Princeton University; Stephen A. Jarislowsky, investment analyst, counselor and philanthropist; and Tom Brzustowski, president of the National Sciences and Engineering Research Council.

Also among the honorary recipients were three recipients of the Order of Canada: Richard Monette, artistic director of the Stratford Festival; Dr. Gregory Baum, theologian; and Dr. Francesco Bellini, chairman of Picchio

Pharma and co-founder, former chairman and CEO of BioChem Pharma.

ACTION PLAN

In the aftermath of the violence on September 9, 2002, and the cancellation of the speech by former Israeli Prime Minister Benjamin Netanyahu, Rector Frederick Lowy proposed an action plan designed to ensure a secure and non-intimidating environment for learning and scholarship. The plan called for stricter enforcement of institutional policies, and continued action against the individuals identified as having committed violent acts. Patricia Gabel was hired as Special Advisor to the Rector on Conflict Analysis and Management, Charles Bertrand was appointed Associate Vice Rector, Student Life and Interim Dean of Students and Peter Côté was appointed as the full-time interim Advisor on the Code of Rights and Responsibilities. The Board of Governors is reviewing the Code. Elizabeth Saccà, Dean of Graduate Studies, is chairing a university-sponsored academic lecture series on Peace and Conflict Resolution. A series of major lectures will be taking place during the fall semester and into the new year. Finally, Concordia began planning for an Institute for Conflict Resolution and Negotiation. The Institute has already received an initial \$1 million pledge from a Concordia alumnus.



Lindsay Rosenthal
Undergraduate student
Major in Accounting



Melissa Gruber
Undergraduate student
Major in Theatre
Minor in Creative Writing

The 2002-03 Rector's Report was produced by Internal Relations and Communications
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Concordia
UNIVERSITY

Real education for the real world

GLANCE

RECTOR'S REPORT 2002-03

Lynell Ible
Undergraduate student
Major in Exercise Science
Stingers Rugby

Concordia is one of Canada's largest and most dynamic universities. Established in 1974 by the merger of Loyola College (1896) and Sir George Williams University (1873), Concordia has two campuses: the picturesque Loyola Campus in the city's residential west-end, and the Sir George Williams Campus in the heart of downtown Montreal. The campuses, about 7 km apart, are linked by a free shuttle bus service. Students may choose from over 250 undergraduate and graduate programs in four Faculties (Arts and Science, Engineering and Computer Science, Fine Arts and the John Molson School of Business) and the School of Graduate Studies. Integrated within the Faculty of Arts and Science are five colleges (the Liberal Arts College, Science College, Loyola International College, the School of Community and Public Affairs, and the Simone de Beauvoir Institute). The School of Graduate Studies offers more than 70 programs leading to master's and doctoral degrees and graduate diplomas. A wide selection of not-for-credit courses and programs is available through the Centre for Continuing Education, including professional programs in information technology, business, communications and tourism, and second-language-English courses. The university has more than 800 full-time and 1,000 part-time faculty, many of whom are leading professionals drawn from industry, the business world and artistic community. Concordia is the only English-language university in Quebec that offers a comprehensive co-operative education program, thus allowing students to alternate terms of study and work and build a foundation of relevant experience before graduation.

THE MONTREAL EXPERIENCE

Concordia offers a rich multicultural atmosphere, with students drawn from more than 160 countries. Students and faculty take advantage of Concordia's location in one of North America's most exciting cities. Montreal is the world's second-largest French-language metropolis, where English has wide currency and many residents have come from all over the world. While classes at Concordia are given in English, services are bilingual, and essays and examinations may be written in French.

FLEXIBILITY, SUPPORT AND OPPORTUNITY

Students are supported throughout their studies by a wide array of services, from language training and writing skills to health and vocational counselling, job placement and extensive services for students with disabilities. Class sizes are small and professors are accessible. Although most students are recent CEGEP (Quebec community college system) graduates, Concordia welcomes students of all ages and backgrounds, and provides special support services for mature students. Part-time studies and flexible class schedules allow students to pursue their academic goals while working. There are more than 125 student clubs and associations at Concordia.

RESEARCH FOR THE REAL WORLD

Concordia's research centres promote interdisciplinary, collaborative projects in many areas. The Centre for International Academic Co-operation encourages and coordinates the university's international activities. Each year, Concordia welcomes more than 2,000 international students in both undergraduate and graduate programs, and conducts joint research and teaching projects around the world, including in China, India, the Middle East and the Caribbean.

SERVING THE PUBLIC

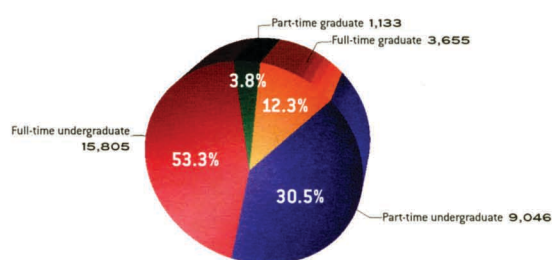
Most of Concordia's theatre, music and dance performances at the Oscar Peterson Concert Hall, art exhibitions at the Leonard & Bina Ellen Art Gallery, and sports events at the Loyola Athletic Complex are open to the public. Concordia experts offer professional seminars and consulting services to the larger community. Public lectures and panel discussions on campus are frequent and varied, and conference sites are available to non-profit groups.

BUILDING OUR FUTURE

Concordia University is in the midst of an ambitious \$350-million construction boom. The new \$85-million Richard J. Renaud Science Complex on the Loyola Campus opened in September 2003. Construction of the Engineering, Computer Science and Visual Arts Complex on downtown Ste. Catherine St. is well under way. Occupancy by 2005 is the target. A 2004 start on construction of the new home for the John Molson School of Business on Guy St. and de Maisonneuve Blvd. is planned. Renovation of the Drummond Building on the Loyola Campus and the Hall Building downtown are beginning. New downtown athletic and recreation facilities and a new Loyola Athletics Complex are scheduled, as well as a student centre and a new performing arts centre at Loyola. Student housing and dorm space is another upcoming project.

STUDENT ENROLMENT

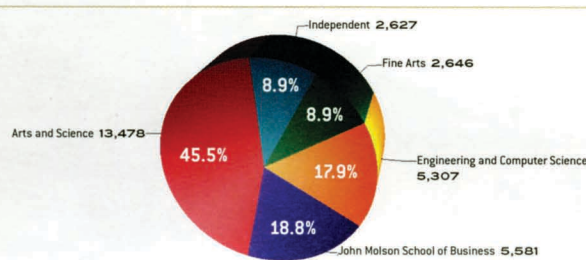
TOTAL ENROLMENT 29,639



Full-time undergraduate 15,805 (53.3%)
Part-time undergraduate 9,046 (30.5%)
Total undergraduate 24,851 (83.8%)

Full-time graduate 3,655 (12.3%)
Part-time graduate 1,133 (3.8%)
Total graduate 4,788 (16.2%)

Total full-time 19,460 (65.7%)
Total part-time 10,179 (34.3%)

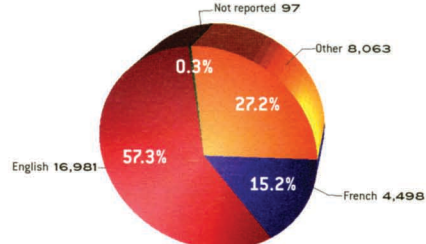


Enrolment by Faculty

Arts and Science 13,478 (45.5%)
John Molson School of Business 5,581 (18.8%)
Engineering and Computer Science 5,307 (17.9%)
Fine Arts 2,646 (8.9%)
Independent 2,627 (8.9%)

Enrolment by gender

Total female: 15,297 (51.6%)
Total male: 14,342 (48.4%)

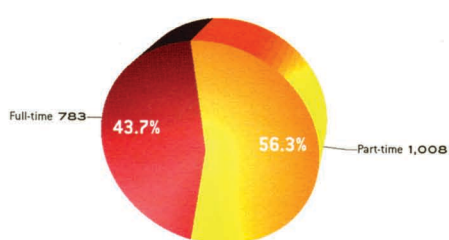


Enrolment by first language spoken (as declared on application)

English 16,981 (57.3%)
French 4,498 (15.2%)
Other 8,063 (27.2%)
Not reported 97 (0.3%)

Enrolment by International (visa) students

Undergraduate 1,855
Graduate 544
Total 2,399 (100.0%)



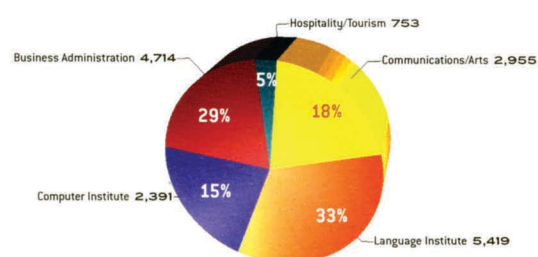
Enrolment by Mature students

(Aged 21 and over, without conventional academic prerequisites)

Full-time 783 (43.7%)
Part-time 1,008 (56.3%)
TOTAL 1,791 (100.0%)

The Centre for Continuing Education

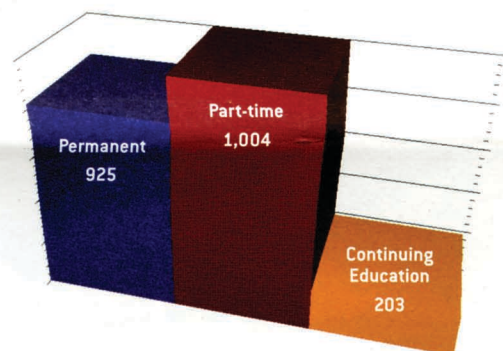
In addition to degree-granting programs, Concordia offers higher education non-credit courses and programs through the Centre for Continuing Education. In 2002-2003, 7,302 students took at least one course in Continuing Education, 28 per cent of whom were international students who came to study English as a Second Language or Professional Career Certificate Programs.



Continuing Education course registration

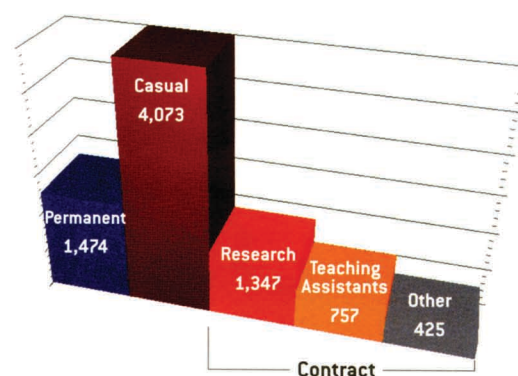
Business Administration 4,714 (29%)
Computer Institute 2,391 (15%)
Language Institute 5,419 (33%)
Communications/Arts 2,955 (18%)
Hospitality/Tourism 753 (5%)
TOTAL COURSE REGISTRATION 16,232

EMPLOYEE PROFILE



Faculty members

Permanent: 925
Part-time: 1,004
Continuing Education: 203
TOTAL: 2,132



Administrative and support personnel

Permanent employees 1,474
Casual 4,073
Contract — Research 1,347
Contract — Teaching Assistants 757
Contract — Other 425
TOTAL EMPLOYEES 8,076

AWARDS & RESEARCH

Undergraduate awards given out in 2002-2003

Internal (730 Recipients) \$920,305.25
External (54 Recipients) \$93,923.00

Graduate awards given out in 2002-2003

Internal (312 awards) \$1,115,323
External (132 awards) \$1,795,961



Concordia
UNIVERSITY

Real education for the real world

RICHARD J. RENAUD
SCIENCE COMPLEX
OPENED
SEPTEMBER 2003



Complexe des sciences
RICHARD J. RENAUD
Science Complex

Philippe Langlois
Undergraduate student
Major in Sociology
Stingers Basketball

FULFILUN
REC

ENGINEERING, COMPUTER
SCIENCE AND VISUAL
ARTS COMPLEX
UNDER CONSTRUCTION
OPENING 2005



Sophia Levy
Undergraduate student
Mechanical Engineering

Jessica Earnshaw
Undergraduate student
Major in Film Production

NG OUR PR

CTOR'S REPORT

JOHN MOLSON
SCHOOL OF BUSINESS
**PROJECTED
OPENING
2007**



Talal Alameddine
Undergraduate student
Major in Management Information Systems

PROMISE
2002-03



Concordia
UNIVERSITY

Real education for the real world

AT-A-GLANCE



Shelagh Peden
Office Manager, Web Assistant &
Event Coordinator
Internal Relations & Communications
BComm 00
Major in Marketing

Research grants, contracts and infrastructure (2002-2003)*

Federal government	\$12,463,458.22
Québec government	\$6,385,867.45
Concordia internal	\$875,215
Canadian private	\$1,103,859
Canadian foundations/associations	\$73,226
Other Canadian sources	\$80,500
Non Canadian sources	\$1,091,058
TOTAL	\$16,289,034

Awarded By Faculty

Arts & Science	\$11,250,914.38
Engineering & Computer Science	\$5,935,283.71
Fine Arts	\$1,244,909.00
John Molson School of Business	\$689,528.04
Other	\$95,285.18
TOTAL	\$19,215,920.31

UNIVERSITY RESEARCH CENTRES

Centres & Research Groups:

Centre for Broadcasting Studies (CCBS)
Centre for Building Studies (CBS)
Centre for Composites (CONCOM)
Centre for Industrial Control (CIC)
Centre for Pattern Recognition and Machine Intelligence (CENPARMI)
Centre for Signal Processing and Communication (CENSIPCOM)
Concordia Institute for Aerospace Design and Innovation (CIADI)
Centre for Structural and Functional Genomics
Centre for Research in Human Development (CRDH)
Center for Studies in Behavioral Neurobiology (CSBN)
Centre for the Study of Learning and Performance (CSLP)
Concordia Computer Aided Vehicle Engineering (CONCAVE)
Electromagnetic Compatibility Laboratory (EMC Lab)
International Centre for Aviation Management Education and Research (ICAMER)
Centre for Small Business and Entrepreneurial Studies
Electronic Commerce Institute
Goodman Institute of Investment Management

Interuniversity Centres:

Centre for Algebra, Number Theory and Computation (CICMA)
Inter-University Research Centre in High Performance Computer Architecture & VLSI (GRIAO) (Groupe Inter-universitaire en Architecture des Ordinateurs et VLSI)
Concordia-UQAM Interuniversity Chair in Ethnic Studies
Institute for Research and Creation in Media Arts and Technologies (Hexagram)

Other Affiliations:

Centre de recherche informatique de Montréal (CRIM)
Institut interuniversitaire de recherches sur les populations (IREP)
Centre d'expertise et de services en applications multimédia (CESAM)

Participation in the Networks of Centres of Excellence:

Canadian Institute of Telecommunications Research (CITR)
Institute for Robotics and Intelligent Systems (IRIS)
Intelligent Sensing for Innovative Structures (ISIS)
Mechanical Wood-Pulps Network
Microelectronic Devices, Circuits and Systems (MICRONET)
Mathematics of Information Technology and Complex Systems (MITACS)
Sustainable Forest Management (SFM)
TeleLearning Research Network (TL-RN)

* Please note that there are other research centres affiliated with specific Faculties or units.

BUDGET 2002-2003

Statement of operations year ended May 31, 2003

Revenues

Operating Fund 2003

Tuition fees	52,001,597
Province of Québec grants	175,150,740
Miscellaneous fees and other income	14,120,453
Continuing education	7,950,551
Student services	8,127,321
Ancillary services	18,063,075
Rental properties	4,087,631
TOTAL	279,501,368

Research Fund 2003

Miscellaneous fees and other income	24,500
Grants	20,324,748
TOTAL	20,349,248

Designated Fund 2003

Province of Québec grants	121,200
Miscellaneous fees and other income	1,940,170
Donations	7,327,148
Grants	2,739,215
Concordia University Foundation	7,338,000
TOTAL	19,465,733

Capital Assets Fund 2003

Province of Québec grants	21,457,168
Miscellaneous fees and other income	2,822,489
Donations	143,504
Grants	2,446,078
Concordia University Foundation	2,317,907
TOTAL	29,187,146

Expenditures

Operating Fund

Academic services	134,493,538
Library	10,530,462
Instructional & Information Technology Services	8,782,221
Administrative services	25,585,836
Operational services	17,423,033
Rental Facilities	5,941,000
Research	5,332,023
Continuing education	7,516,918
Student services	8,234,908
Ancillary services	16,909,801
Rental properties	1,786,766
Interest on bank loans	1,009,845
Interest swap buy-out & Bond related fees	22,406
Special projects	16,152,389
Contribution to Concordia University Foundation	7,865,160
TOTAL	267,586,306

Research Fund

Research	17,554,623
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Designated Fund

Specified gift to the Concordia University Foundation	8,381,501
Endowed and restricted projects	7,990,847
TOTAL	16,372,348

Capital Assets Fund 2003

Interest on long-term debt	13,500,411
Interest on temporary financing	844,586
Interest & Bond related fees	8,125,977
Amortization	20,672,597
TOTAL	43,143,571

SENIOR ADMINISTRATORS

Frederick H. Lowy, Rector and Vice-Chancellor	4849/4850
Jack N. Lightstone, Provost*	4891
Marcel Danis, Vice-Rector, Institutional Relations and Secretary-General	4806
Michael Di Grappa, Vice-Rector, Services	4815
Larry English, Chief Financial Officer	4310
Martin Singer, Dean, Arts and Science	2081
Nabil Esmail, Dean, Engineering and Computer Science	3060
Christopher Jackson, Dean, Fine Arts	4602
Jerry Tomberlin, Dean, John Molson School of Business	2703
Elizabeth Saccá, Dean, Graduate Studies	3811
Charles Bertrand, Dean of Students (Interim)	3500/3520

* Provost Jack Lightstone completes his second term at the end of May 2004. A search for a new Provost is underway.



Harold Fortin
Undergraduate student
Major in Marketing

AT-A-GLANCE

BOARD OF GOVERNORS 2002-2003

Officers of the Board

Eric H. Molson (Chancellor)
Lillian Vineberg (Chairwoman)
Richard J. Renaud (Vice-Chairman)
John E. Parisella (Vice-Chairman)
Frederick H. Lowy (Rector and Vice-Chancellor)

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Normand Beauchamp
Alain Benedetti
Charles G. Cavell
Baljit Singh Chadha, P.C.
Howard Davidson
M^{re} Rita Le de Santis
Brian Edwards
Leo Goldfarb
Suzanne Gouin
George Hanna
Judith A. Kavanagh
Peter Kruyt
Christine Lengvari
Sr. Eileen McIlwaine
John Parisella
Alex G. Potter
Richard Renaud
Miriam Roland
Jacques St-Laurent
Mackie I. Vadacchino de Massy
Ivan Velan
Lillian Vineberg
Jonathan Wener

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Gerald C. Burke
Alexander J. Carpini
Peter G. McAuslan

Representing the Teaching Staff

Louise Brunette
William Byers
June Chaikelson
Terrill Fancott
Lawrence Kryzanowski
Loren Lerner

Representing Graduate Students

Rocci Luppici

Representing Undergraduate Students

Youri Cormier
Sabine Friesinger
Chae Dickie-Clark
Sobia Virk

Representing the Administrative and Support Staff

Desmond O'Neill

Officers of the University with speaking privileges at the Board

Marcel Danis (Vice-Rector, Institutional Relations
and Secretary-General)
Michael Di Grappa (Vice-Rector, Services)
Larry English (Chief Financial Officer)
Jack Lightstone (Provost)

Secretary of the Board of Governors

Danielle Tessier

Observer

Pierre Frégeau

MEMBERS OF SENATE 2002-2003

Voting Members

Frederick Lowy (Rector and Vice-Chancellor)
Jack Lightstone (Provost)
Vacant (Vice-Provost, Research)
Martin Singer (Dean, Faculty of Arts & Science)
Nabil Esmail (Dean, Faculty of Engineering &
Computer Science)
Christopher Jackson (Dean, Faculty of Fine Arts)
Elizabeth Saccá (Dean, Graduate Studies)
Jerry Tomberlin (Dean, John Molson School of
Business)

Representing the Faculty of Arts and Science

Terence Byrnes
Ann English
James Grant
Ellen Jacobs
Pierre Ouellet (PT)
Harvey Shulman



Balbir S. Sahni
Professor, Economics
Director, Centre for International
Academic Cooperation

Patricia Thornton
Reeta Tremblay

Representing the Faculty of Engineering and Computer Science

A.M. Hanna
S.V. Hoa
T. Stathopoulos

Representing the Faculty of Fine Arts

Silvy Panet Raymond
David Vivian (PT)
Catherine MacKenzie

Representing the John Molson School of Business

Clarence Bayne
Jamshid Etezadi
Danielle Morin

Representing Undergraduate Students

Basel Al-Ken
Youri Cormier
Yves Engler
Sabine Friesinger
Christine Ghawi
Maiko Ishii
Ralph Lee
Rob Maguire
Adam Slater
Sobia Virk

Representing Graduate Students

Rocci Luppici
Wassim Merhi

Non-voting members

Marcel Danis (Vice-Rector, Institutional
Relations & Secretary-General)
Michael Di Grappa (Vice-Rector, Services)
Larry English (Chief Financial Officer)
John O'Brien (Elected Speaker & Chair)
William Curran (Director of Libraries)
Andrew McAusland (Executive Director,
Instructional & Information Technology)
Linda Healey (University Registrar)
Charles Bertrand (Interim Dean of Students)
Robert Oppenheimer (Director of the
Centre for Mature Students)
Suzanne Birks (Legal Counsel)
Danielle Tessier (Secretary of Senate)

FOR MORE INFORMATION: GENERAL (514) 848-2424

(to reach a specific area, dial this number and then enter
the extension when prompted)

Advancement and Alumni Affairs	4856
Athletics	3850
Bookstores	3615 (SGW) 3620 (LOY)
Centre for Mature Students	3890 (SGW) 3895 (LOY)
Concert Hall	4848
Concordia Student Union (CSU)	7474
Continuing Education	3600
Industrial Liaison	4873
Institute for Co-operative Education	3950
Leonard and Bina Ellen Art Gallery	4750
Libraries	7706 (WEBSTER) 7771 (VANIER)
Office of the Registrar	2668
University Communications	4825
Research Services	4888
Dragonroot Centre for Gender Advocacy	7431

Faculty of Arts and Science

Applied Human Sciences	2260 (SGW) 3330 (LOY)
Biology	3400
Chemistry and Biochemistry	3366
Classics, Modern Languages and Linguistics	2310
Communication Studies	2555
Economics	3900
Education	2004
English	2340 (SGW) 2155 (LOY)
Études françaises	7500
Exercise Science	3327
Geography	2050
History	2435
Journalism	2465
Mathematics and Statistics	3232 (LOY) 3223 (SGW)
Philosophy	2500
Physics	3270
Political Science	2105 / 2106
Psychology	2222 / 2225
Religion	2065
Sociology and Anthropology	2140
Teaching of English as a Second Language (TESL)	2450
Theological Studies	2475

John Molson School of Business

Accountancy	2764
Aviation MBA	2930
Decision Sciences and Management Information Systems	2982
Diploma in Administration/ Diploma in Sports Administration	2718
Graduate Diploma in Accountancy	7344
Executive MBA	3622
Finance	2789
Marketing	2952
MBA	2727
PhD/MSc Administration Programs	4149

Faculty of Engineering and Computer Science

Building, Civil and Environ. Engineering	3200
Computer Science	3000
Electrical and Computer Engineering	3100
Mechanical and Industrial Engineering	3125

Faculty of Fine Arts

Art Education	4646
Art History	4700
Contemporary Dance	4740
Creative Arts Therapies	4790
Design Art	4626
Music	4705
School of Cinema	4666
Studio Arts	4262
Theatre	4747

Colleges and Schools of the Faculty of Arts and Science

Liberal Arts College	2565
Loyola Peace Institute	7799
School of Community and Public Affairs	2575
Science College	2595
Simone de Beauvoir Institute	2373

School of Graduate Studies

3800

For more information about Concordia:

Home page: [HTTP://WWW.CONCORDIA.CA](http://www.concordia.ca)
News@Concordia: [HTTP://NEWS.CONCORDIA.CA](http://news.concordia.ca)